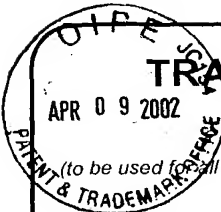


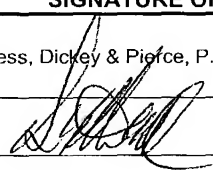
SCANNED, # 14

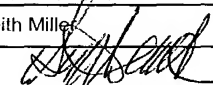
HDP/SB/21 based on PTO/SB/21 (08-00)

Please type a plus sign (+) inside this box → ☐

	<b>TRANSMITTAL FORM</b>		<b>Application Number</b>	10/047,914
			<b>Filing Date</b>	January 15, 2002
			<b>First Named Inventor</b>	Hiroshi Tanaka et al
			<b>Group Art Unit</b>	
			<b>Examiner Name</b>	
<b>Total Number of Pages in This Submission</b>			<b>Attorney Docket Number</b>	4041J-000503

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>English Translation of Patent Application with Translation Certificate</b>
Remarks Priority Document attached: Japanese Application No. 2001-008165		The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name	H. Keith Miller, Esq.
		Reg. No.	22,484
Signature			
Date	April 5, 2002		

CERTIFICATE OF MAILING/TRANSMISSION			
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.			
Typed or printed name	H. Keith Miller		
Signature		Date	April 5, 2002

APR 09 2002

*Patentees are subject to annual revision.*

TOTAL AMOUNT OF PAYMENT	(\$)	1000
-------------------------	------	------

**Complete if Known**

Application Number	10/047,914
Filing Date	January 15, 2002
First Named Inventor	Hiroshi Tanaka et al
Examiner Name	
Group / Art Unit	
Attorney Docket No.	4041J-000503

**FEE CALCULATION (continued)**☐ Deposit Account:

Deposit Account Name	Harness, Dickey & Pierce, P.L.C.
----------------------------	----------------------------------

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, **except for the filing fee**

to the above-identified deposit account.

### 3. ADDITIONAL FEES

**SUBTOTAL (1)**

(\$)740

Large

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)**

(\$ ) 0


Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$ ) 260

Complete (if applicable)

Complete (if applicable)					
Name (Print/Type)	H. Keith Miller, Esq.	Registration No. Attorney/Agent)	22,484	Telephone	248-641-1600
Signature				Date	April 5, 2002

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**Included on this form. Provide credit card information and authorization on PTO-2038.**

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/047,914	01/15/2002	Hiroshi Tanaka	4041J-000503

CONFIRMATION NO. 2496

27572  
HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. BOX 828  
BLOOMFIELD HILLS, MI 48303

## FORMALITIES LETTER



\*OC000000007672211\*

Date Mailed: 03/19/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 740 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The application was filed in a language other than English. Applicant is required to provide an English translation of the specification and a statement that the translation is accurate. (See 37 CFR 1.52(d)).
- Applicant must file an English translation of the application, the \$ 130 fee set forth in 37 CFR 1.17(i), unless previously submitted, and a statement that the translation is accurate (37 CFR 1.52(d)).
- **The balance due by applicant is \$ 1000.**
- Because your specification was filed in a language other than English, the Office was unable to determine the number of claims submitted. Additional claim fees may be due once the number of claims can be determined.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - Drawings must be reasonably free from erasures and must be free from alterations, overwritings, interlineations, folds, and copy marks.
  - drawing figures contain text that is not in English (including, for example, a flow chart that was originally not in English that has been marked up to include the English text)

04/10/2002 NH047914 00000038 10047914

01-FC:101

-740.00-OP

02-FC:105

130.00-OP

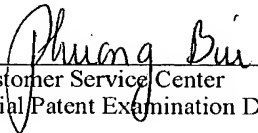
-130.00-OP

04/10/2002 NH047914 00000038 10047914  
740.00 OP  
130.00 OP  
130.00 OP  
01 FC:101  
02 FC:105  
03 FC:139

see 37 CFR 1.84(p)(2) and 37 CFR 1.52(d)(1);

---

*A copy of this notice **MUST** be returned with the reply.*

  
\_\_\_\_\_  
Customer Service Center  
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



## THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.:	10/047,914	)	
		)	
Filing Date:	January 15, 2002	)	
		)	
Applicants:	Hiroshi Tanaka et al	)	
		)	RESPONSE TO MISSING
Art Unit:		)	PARTS OF NON-
		)	PROVISIONAL APPLICATION
For:	Cooling Device	)	
		)	
Docket No.:	4041J-000503	)	

Hon. Commissioner of Patents and Trademarks  
 Washington, D.C. 30201  
 ATTN: BOX MISSING PARTS

Dear Sir:

Enclosed herewith for filing in the U.S. Patent and Trademark Office is the duly executed Declaration and Power of Attorney (4 Pages); a copy of the Notice To File Missing Parts of Application - Filing Date Granted therein; an English translation of the application with Translation Certificate attached; and a substitute set of Formal Drawings with English text.

Also attached is a certified copy of the Priority Document: Japanese Application No. 2001-008165 as identified in the Declaration of this application. In support of Applicants' priority claim, please enter this document into the file.

A check in the amount of \$1,000.00 is attached to cover the application filing fee, the late provision of an English translation fee, and the fee for late filing of formal papers.

Respectfully submitted,  
Attorneys for Applicant(s)

HKM/rf

Date: 4/5/02

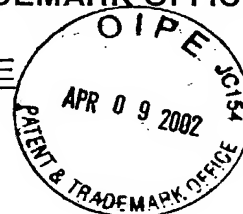
By: 

H. Keith Miller, Esq.  
Reg. No. 22,484

Harness, Dickey & Pierce, P.L.C.  
P.O. Box 828  
Bloomfield Hills, MI 48303  
(248) 641-1600

Attachments

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSLATION CERTIFICATE  
(not for PCT cases)

In re PATENT APPLICATION of  
Inventor(s): Tanaka et al

Appln. No. 10 / 047,914

Attention: Application Division

Filed: January 15, 2002

Title: COOLING DEVICE

TRANSLATION STATEMENT  
UNDER RULE 52(d)  
FOR APPLICATION FILED IN FOREIGN LANGUAGE

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

The undersigned, of the below address, hereby states that he/she well knows both the English and Japanese languages, and that the attached is an accurate translation into the English language of the above-identified application, which was/is being filed in the aforesaid foreign language.

Signed this 6 day of February, 2002.

Translator's Signature: Jon Shun Ji

Name: Shun-Ji Jin

Address: 16-406 Honji-so, 1701 Honjigaoka  
Moriyama-ku, Nagoya-city, Aichi-pref.  
463-0031 JAPAN